

New National Phase Entry  
Serial No.: New (PCT/JP2004/014195)  
Filed: Herewith

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

**LISTING OF CLAIMS:**

1. (Currently Amended) A method for manufacturing a rotary member of a torque converter, the rotary member including a turbine shell of the torque converter, a plurality of blades fixed to an inner face of the turbine shell, and a driven plate of a lock-up device fixed to an outer face of the turbine shell, the method including comprising:

~~a first step of~~ fixing the driven plate to the turbine shell;

~~a second step of~~ heating the turbine shell and the blades ~~so as~~ to fix the blades to the turbine shell by brazing; and

~~a third step of~~ rapidly cooling the rotary member after ~~the second step heating the~~  
turbine shell.

2. (Currently Amended) [[A]] The method for manufacturing a rotary member of a torque converter according to claim 1, wherein ~~in the third step rapidly cooling the rotary member includes~~ the rotary member is being rapidly cooled immediately after the rotary member is cooled down to a certain temperature ~~in the second step after heating the turbine shell and blades.~~

3. (Currently Amended) [[A]] The method for manufacturing a rotary member of a torque converter according to claim 1 or 2, wherein ~~in the second step~~ the brazing is

performed by heating such that a temperature of the rotary member reaches at least a melting point of the brazing material used for brazing, and

~~in the third step, rapidly cooling the rotary member includes the rotary member [[is]] being rapidly cooled when the temperature of the rotary member reaches an appropriate hardening temperature of the driven plate in the second step after heating the turbine shell and blades.~~

4. (Currently Amended) [[A]] The method for manufacturing a rotary member of a torque converter according to claim 3, wherein ~~in the third step rapidly cooling the rotary member includes~~ the rotary member [[is]] being cooled down to the appropriate hardening temperature or a mechanical melting temperature while keeping the temperature distribution of the rotary member within 100 degrees Celsius.

5. (Currently Amended) [[A]] The method for manufacturing a rotary member of a torque converter according to ~~any of claims 1 to~~ claim 4, wherein the turbine shell and the blades are made of ultra low-carbon steel.

6. (Currently Amended) A rotary member of a torque converter manufactured by the method according to ~~any of claims 1 to~~ claim 5.

7. (New) The method for manufacturing a rotary member of a torque converter according to claim 3, wherein the turbine shell and the blades are made of ultra low-carbon steel.

8. (New) The method for manufacturing a rotary member of a torque converter according to claim 2, wherein the turbine shell and the blades are made of ultra low-carbon steel.

9. (New) The method for manufacturing a rotary member of a torque converter according to claim 1, wherein the brazing is performed by heating such that a temperature of the rotary member reaches at least a melting point of the brazing material used for brazing, and

rapidly cooling the rotary member includes the rotary member being rapidly cooled when the temperature of the rotary member reaches an appropriate hardening temperature of the driven plate after heating the turbine shell and blades.

10. (New) The method for manufacturing a rotary member of a torque converter according to claim 9, wherein rapidly cooling the rotary member includes the rotary member being cooled down to the appropriate hardening temperature or a mechanical melting temperature while keeping the temperature distribution of the rotary member within 100 degrees Celsius.

11. (New) The method for manufacturing a rotary member of a torque converter according to claim 10, wherein the turbine shell and the blades are made of ultra low-carbon steel.

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12. (New) The method for manufacturing a rotary member of a torque converter according to claim 9, wherein the turbine shell and the blades are made of ultra low-carbon steel.

13. (New) The method for manufacturing a rotary member of a torque converter according to claim 4, wherein the turbine shell and the blades are made of ultra low-carbon steel.

14. (New) A rotary member of a torque converter manufactured by the method according to claim 1.